

U.S. Pat. App. No.: 09/904,419
Atty. Docket No.: 005348.00001

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus for activating an inductance loop vehicle detector, comprising:

a permanent magnet, and

a mount for attaching the magnet to a vehicle at a position that will cause the magnet to activate an inductance loop vehicle detector when the vehicle moves proximal to an inductance loop of the inductance loop vehicle detector.

2. (Original) The apparatus of claim 1, wherein the vehicle is selected from a group consisting of: a motorcycle, an automobile, and a bicycle

3. (Canceled).

4. (Currently Amended) The apparatus of claim 23, wherein the magnet is selected from the group consisting of: a ceramic magnet, a neodymium-iron-boron magnet, a samarium-cobalt magnet, and a magnet formed of an alloy of aluminum, nickel, and cobalt.

5. (Currently Amended) The apparatus of claim 23, wherein the magnet is a grade 5 ceramic magnet.

6. (Original) The apparatus of claim 1, wherein the magnet has a total flux of at least 20,000 maxwells and a maximum energy product of at least 6.5 MGOe.

7. (Original) The apparatus of claim 6, wherein the magnet further has a residual induction of at least 3000 gauss, and a coercive force of at least 2200 oersteds.

8. (Canceled).

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9. (Original) The apparatus of claim 1, wherein the magnet includes a protective coating.
10. (Original) The apparatus of claim 9, wherein the coating is a conducting material.
11. (Original) The apparatus of claim 9, wherein the coating is one or more of the group consisting of: tin, nickel, or chrome.
12. (Original) The apparatus of claim 9, wherein the coating is a non-conductive material.
13. (Original) The apparatus of claim 12, wherein the coating is formed from plastic or rubber.
14. (Original) The apparatus of claim 1, wherein the mount is selected from the group consisting of: an adhesive material, brackets, and a hook and loop fastener.
15. (Original) The apparatus of claim 1, wherein the mount includes a member having an adhesive coating on two opposing surfaces.
16. (Original) The apparatus of claim 1, wherein the mount includes a corrugated tie.
17. (Original) The apparatus of claim 1, wherein the mount is integrally formed with the vehicle.
18. (Currently Amended) A method of activating an inductance loop vehicle detector, comprising:
- attaching a permanent magnet to a vehicle at a position on the vehicle that will cause the magnet to activate an inductance loop vehicle detector when the vehicle moves proximal to an inductance loop of the inductance loop vehicle detector, and
- moving the vehicle with the magnet proximal to an inductance loop of the inductance loop vehicle detector.

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19. (Canceled).

20. (Currently Amended) The method of claim 1819, wherein the magnet is selected from the group consisting of: a ceramic magnet, a neodymium-iron-boron magnet, a samarium-cobalt magnet, and a magnet formed of an alloy of aluminum, nickel, and cobalt.

21. (Currently Amended) The method of claim 1819, wherein the magnet is a grade 5 ceramic magnet.

22. (Original) The method of claim 18, wherein the magnet has a total flux of at least 20,000 maxwells and a maximum energy product of at least 6.5 MGOe.

23. (Original) The method of claim 22, wherein the magnet further has a residual induction of at least 3000 gauss, and a coercive force of at least 2200 oersteds.

24. (Canceled).

25. (Original) The method of claim 18, wherein the magnet includes a protective coating.

26. (Original) The method of claim 25, wherein the coating is a conducting material.

27. (Original) The method of claim 25, wherein the coating is one or more of the group consisting of: tin, nickel, or chrome.

28. (Original) The method of claim 25, wherein the coating is a non-conductive material.

29. (Original) The method of claim 28, wherein the coating is formed from plastic or rubber.

30. (Original) The method of claim 18, wherein the magnet is attached using a mount.

31. (Original) The method of claim 30, wherein the mount is selected from the group consisting of: an adhesive material, brackets, and a hook and loop fastener.

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32. (Original) The method of claim 30, wherein the mount includes a member having an adhesive coating on two opposing surfaces.

33. (Original) The method of claim 30, wherein the mount includes a corrugated tie.

34. (Original) The method of claim 30, wherein the mount is integrally formed with the vehicle.

35. (Currently Amended) A method for manufacturing a vehicle, comprising:

manufacturing a vehicle; and

attaching a permanent magnet to the vehicle at a position on the vehicle that will cause the magnet to activate an inductance loop vehicle detector when the vehicle moves proximal to an inductance loop of the inductance loop vehicle detector for purposes of activating proximal inductance loop detectors.

36. (Canceled).

37. (Currently Amended) The method of claim 3536, wherein the magnet is selected from the group consisting of: a ceramic magnet, a neodymium-iron-boron magnet, a samarium-cobalt magnet, and a magnet formed of an alloy of aluminum, nickel, and cobalt.

38. (Currently Amended) The method of claim 3536, wherein the magnet is a grade 5 ceramic magnet.

39. (Original) The method of claim 35, wherein the magnet has a total flux of at least 20,000 maxwells and a maximum energy product of at least 6.5 MGOe.

40. (Original) The method of claim 39, wherein the magnet further has a residual induction of at least 3000 gauss, and a coercive force of at least 2200 oersteds.

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41. (Canceled).

42. (Original) The method of claim 35, wherein the magnet includes a protective coating.

43. (Original) The method of claim 42, wherein the coating is a conducting material.

44. (Original) The method of claim 43, wherein the coating is one or more of the group consisting of: tin, nickel, or chrome.

45. (Original) The method of claim 42, wherein the coating is a non-conductive material.

46. (Original) The method of claim 45, wherein the coating is formed from plastic or rubber.

47. (Original) The method of claim 35, wherein the magnet is attached using a mount.

48. (Original) The method of claim 47, wherein the mount is selected from the group consisting of: an adhesive material, brackets, and a hook and loop fastener.

49. (Original) The apparatus of claim 47, wherein the mount includes a member having an adhesive coating on two opposing surfaces.

50. (Original) The apparatus of claim 47, wherein the mount includes a corrugated tie.

51. (Original) The apparatus of claim 47, wherein the mount is integrally formed with the vehicle.

52. (Currently Amended) A method of retrofitting a vehicle, comprising:
attaching a permanent magnet to a vehicle at a position on the vehicle that will cause the magnet to activate an inductance loop vehicle detector when the vehicle moves proximal to an inductance loop of the inductance loop vehicle detector.

53. (Canceled).

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54. (Currently Amended) The method of claim ~~52~~53, wherein the magnet is selected from the group consisting of: a ceramic magnet, a neodymium-iron-boron magnet, a samarium-cobalt magnet, and a magnet formed of an alloy of aluminum, nickel, and cobalt.

55. (Original) The method of claim 54, wherein the magnet is a grade 5 ceramic magnet.

56. (Original) The method of claim 52, wherein the magnet has a total flux of at least 20,000 maxwells and a maximum energy product of at least 6.5 MGOe.

57. (Original) The method of claim 56, wherein the magnet further has a residual induction of at least 3000 gauss, and a coercive force of at least 2200 oersteds.

58. (Canceled).

59. (Original) The method of claim 52, wherein the magnet includes a protective coating.

60. (Original) The method of claim 59, wherein the coating is a conducting material.

61. (Original) The method of claim 60, wherein the coating is one or more of the group consisting of: tin, nickel, or chrome.

62. (Original) The method of claim 59, wherein the coating is a non-conductive material.

63. (Original) The method of claim 62, wherein the coating is formed from plastic or rubber.

64. (Original) The method of claim 52, wherein the magnet is attached using a mount.

65. (Original) The method of claim 64, wherein the mount is selected from the group consisting of: an adhesive material, brackets, and a hook and loop fastener.

66. (Original) The apparatus of claim 64, wherein the mount includes a member having an adhesive coating on two opposing surfaces.

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67. (Original) The apparatus of claim 64, wherein the mount includes a corrugated tie.